

SIO Shipyard Representative Bi-Weekly Progress Report		
<b>Project: AGOR 28</b>	<b>Contract No.: N00014-12-C-0305</b>	<b>Shipyard: Dakota Creek Industries</b>
<b>Prepared by:</b> Paul D. Bueren Scripps Institution of Oceanography (SIO) 297 Rosecrans St. San Diego, CA 98106	<b>Date:</b> 12 March 2015	<b>Program Officer:</b> Robert (Tim) Schnoor Office of Naval Research 875 Randolph St ONR 321 Arlington, VA 22203-1995
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1. Meetings:

- i. Participated in weekly conference calls.

2. The following Shipyard Question Submittals were reviewed and commented on:

No questions this reporting period.

3. Logistics:

- i. Continuing to review Vendor Recommended Spares (VRS).
- ii. Continuing to review Technical Manuals and Supplemental Information.
- iii. Continuing to work on initial outfitting lists for Sally Ride.
- iv. Working on NS5 Hierarchy

4. Operator Concerns:

- Tuff-Mass MLV and Acoustic Tiles – This week we were notified that the USCG has approved Pyrotek's Quadzero Nonlite foil faced MLV for use. The yard has ordered the material and will begin installing it on Sally Ride. They will be using the approved Method 1, which will be on top of the thermal insulation with the foil facing outward into the space. The yard will not be using perforated sheeting to cover the MLV. SIO continues to be concerned that the USCG will require the removal of the unapproved MLV at some later date.
- Main Deck Vent Closures – Issue remains open. New drawing/proposal from DCI/GPA is forthcoming.
- Reach Rods – DCI has agreed to install reach rods to the two 10-inch sea valves at the starboard sea chest. An additional reach rod may be required on the 6-inch deicing line.
- Emergency Generator Room HiFog- PME325 will accept the minimum safety risk with the current configuration. Upgrading the switchboard to IP44 and adding a shut-trip to secure power to the space may be options for consideration post-delivery.
- Load Shedding – Awaiting verification that the necessary cables and shut trips have been installed.
- SSHD Controls – Waiting to see how this issue is addressed by Markey/Systems Interface. A CTD LARS/SSHD Handling selector switch has not been installed in the Aft Control Station as yet.
- Main Crane Towing & Coring Crutch – The crutch assembly being provided by Allied Systems needs to be demonstrated to prove that it can be used in a safe and practical way.
- Side & CTD Handling Systems – Static load tests performed to ABS satisfaction. Test wire loaded on to each drum. Interference issues with the Main Crane have been reduced but not entirely eliminated. Currently, to provide the necessary clearance between the aft winch and the SSHD, the cranes extension boom must be extended 19-inches. The yard has yet to demonstrate that

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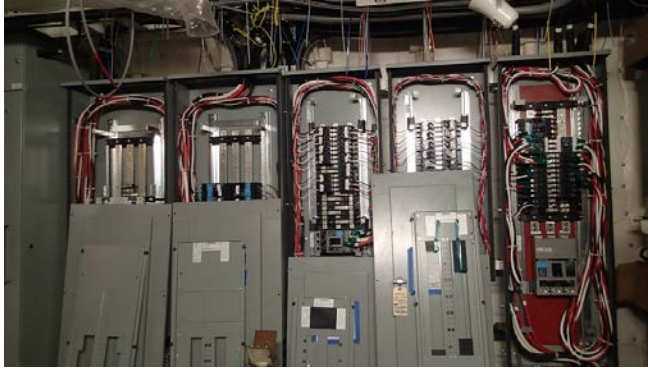
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the aft winch wire can be reeved to the CTDHD and that the fwd winch wire can be reeved to the SSHD as required.

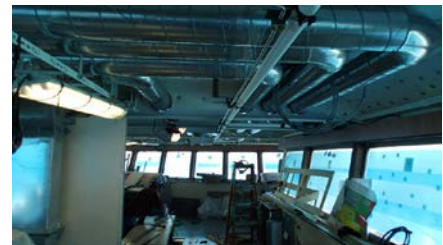
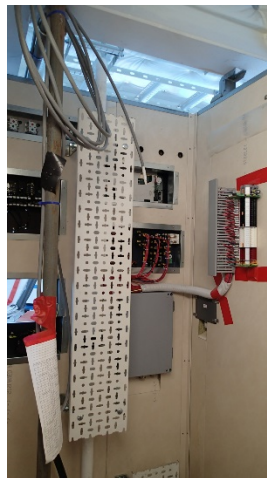
5. Sally Ride Progress:

- Sally Ride Electrical – Resistance reading taken on switchboard cables between terminations. Work continues on making terminations on panels and equipment throughout the vessel.

Upper MMR Power Panels



- Pilot House – Various equipment panel have been installed. HVAC ducting is being installed in the overheads. Carpenters are installing paneling.



E-shutdowns, Fire Alarm Panel, HiFog, WT Door Controller, Intercom and Flume Tank Controller – Front and Backsides on PH Bulkhead

- Foc'sle Deck HVAC Room – Ducting installation is ongoing with excellent progress. Some work is delayed until overhead thermal insulation and approved MLV can be installed. The following pictures show the amount of work done in just the last 4 working days

3-6-2015



3-12-2015



- Stateroom Outfitting – Some furniture is being staged in both the Foc'sle and 01 Deck staterooms. Lighting fixtures, switches and thermostats are being attached to the bulkheads. Electricians are making the necessary terminations.



- Main Mast Deck – Most of the antennas have been mounted including both radar scanners.





- Steering Gear – Hydraulic piping has been flushed and pressure tested with ABS in attendance.
- TK70-70 Crane – The boom assemblies have been attached to the turret assembly. Side handling devices, portable crane and rescue boat davit installations are still to be done.



- Traction Winch – The traction winch and both stowage drums are bolted to their foundations.

#### 6. Call-outs:

No call-outs for Ride this reporting period.

#### 7. The following DRL's were reviewed and commented on:

1st App Hull No	DRL No	Document Title	Occur No/Rev No
AGOR27	A035-11	STD Report - SYSTEM HARMONIC ANALYSIS ( DTR-157 Final System Harmonic Analysis Rev A)	2/0
AGOR27	A059	STD Report - STUDENT GUIDES ( DI-059 Student Guide for Allied Portable Crane)(R/ASR)	29/0
AGOR27	A007	STD Report - PURCHASE ORDERS (PO) ( 721128 PYROTEK)(R/ASR)	1962/0
AGOR27	A031-03	STD Report - TEST PROCEDURES ( 094-001-6 Dock Trials Rev-)(R/ASR)	239/0
AGOR27	A059	STD Report - STUDENT GUIDES ( #15 DI-059 (Student Guides) for Allied Systems Main Crane)(R/ASR)	27/0
AGOR28	A006-08	STD Report - PURCHASE ORDER (PO) INDEX ( AGOR II PO Index 2 27 15)	63/0
AGOR27	A024	STD Report - REGULATORY BODY CORRESPONDENCE ( DCI/USCG: CG 1165083 Plan Review)(R/ASR)	158/0
AGOR27	A027-11	DWG Report - FIRE CONTROL PLAN (AutoCAD)	1/2

AGOR27	A031-03	STD Report - TEST PROCEDURES ( 541-003-3 Fuel Oil Fill & Transfer System Operational Test Rev-)(R/ASR)	227/0
AGOR27	A031-03	STD Report - TEST PROCEDURES ( 264-002-03 Waste Oil & Oily Waste Systems Operational Test)(R/ASR)	229/0
AGOR27	A031-03	STD Report - TEST PROCEDURES ( 541-002-3 Fuel Oil Quick Closing Valve Operation)(R/ASR)	231/0
AGOR27	A031-03	STD Report - TEST PROCEDURES ( 443-001-3 Ship's Whistle Test Rev-)(R/ASR)	233/0
AGOR27	A031-03	STD Report - TEST PROCEDURES ( 555-003-2 Pressure Test of CO2 Systems for HAZMAT Lockers & Stern Thruster Rm Rev-)(R/ASR)	235/0
AGOR27	A031-03	STD Report - TEST PROCEDURES ( 555-007-3 Blowdown & O. Test of CO2 Sys for HAZMAT Lockers & Stern Thruster Rm)(R/ASR)	237/0
AGOR27	A031-04	STD Report - TEST REPORT ( 65411-843-02-58 AGOR 27 Stability Test Report)(R/ASR)	106/0
AGOR27	A031-04	STD Report - TEST REPORT ( 529-004-3 Ballast Treatment System Demonstration)(R/ASR)	110/0
AGOR27	A031-04	STD Report - TEST REPORT ( 432-001-4 Sound Powered Phone System)(R/ASR)	112/0
AGOR27	A031-04	STD Report - TEST REPORT ( 532-001-3 Potable Water System Operational, Unobstructed Flow & Cleanliness)(R/ASR)	114/0
AGOR27	A031-04	STD Report - TEST REPORT ( 310-003-3 Shore Power Transfer Test)(R/ASR)	116/0
AGOR27	A031-04	STD Report - TEST REPORT ( 524-001-3 Seawater Service System Operational & Unobstructed Flow Test)(R/ASR)	118/0
AGOR27	A031-04	STD Report - TEST REPORT ( 436-001-4 Fire Detection Operational Test)(R/ASR)	120/0
AGOR27	A031-04	STD Report - TEST REPORT ( 433-001-4 Interior Communications Test)(R/ASR)	122/0
AGOR28	A024	STD Report - REGULATORY BODY CORRESPONDENCE ( USCG/Pyrotek - Quadzero Nonlite)(R/ASR)	4/0
AGOR27	A007	STD Report - PURCHASE ORDERS (PO) ( 721128 PYROTEK)(R/ASR - Corresp: 1)	1962/0



